CR
TR ..... SiO_2
PS ..... α-$CaO \cdot SiO_2$
WO ..... β-$(CaMg)O \cdot SiO_2$
RA ..... $3CaO \cdot 2SiO_2$
LI ..... $(CaMg)O$
PE ..... MgO
FO ..... $2(Mg,Ca)O \cdot SiO_2$
PR ..... $(Mg,Ca)O \cdot SiO_2$
DI ..... $(Ca,Mg)O \cdot MgO \cdot 2SiO_2$
AK ..... $2CaO \cdot MgO \cdot 2SiO_2$
ME ..... $3CaO \cdot MgO \cdot 2SiO_2$
MO ..... $(Ca,Mg)O \cdot MgO \cdot SiO_2$

FIG. 1

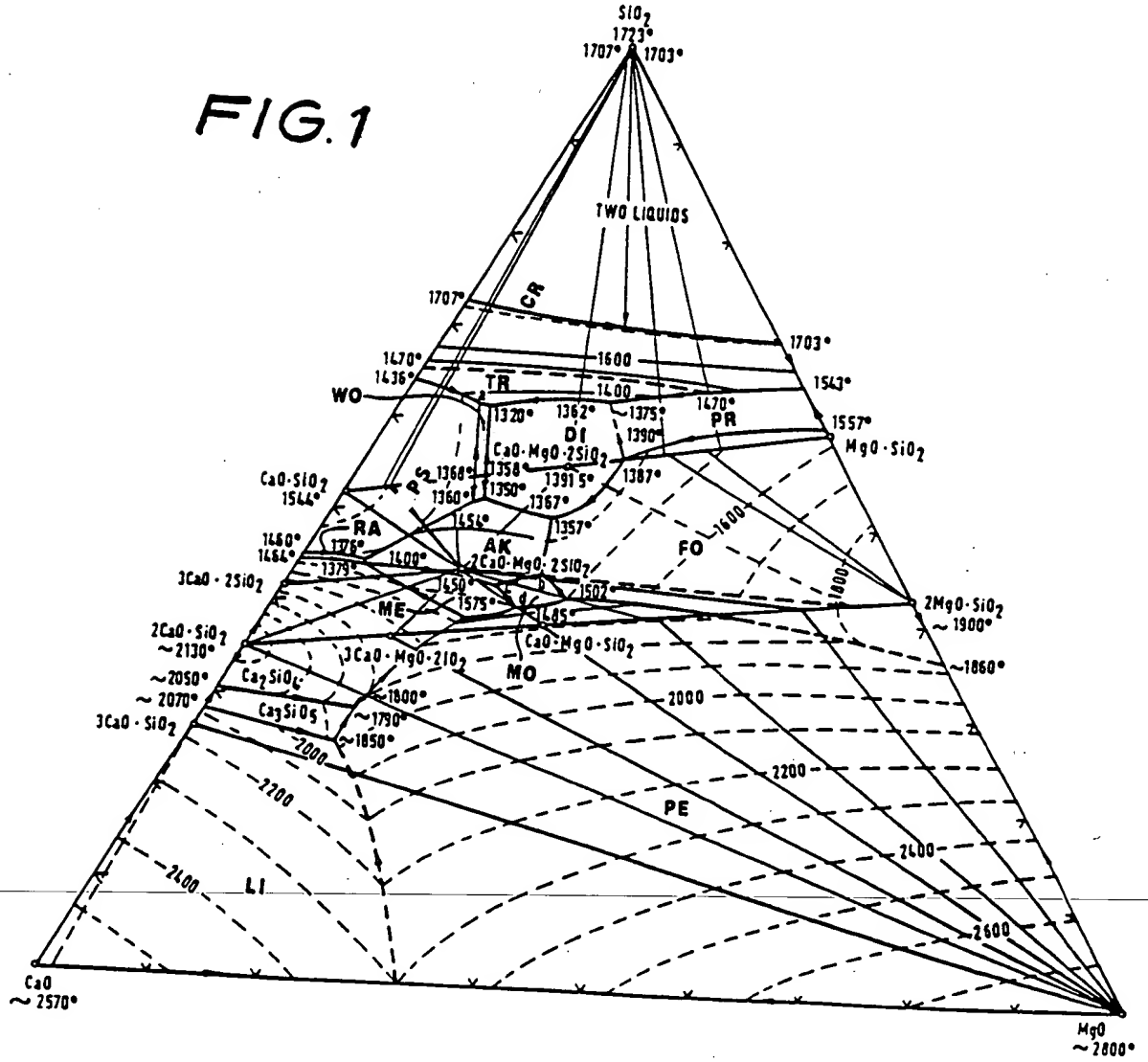


FIG. 2

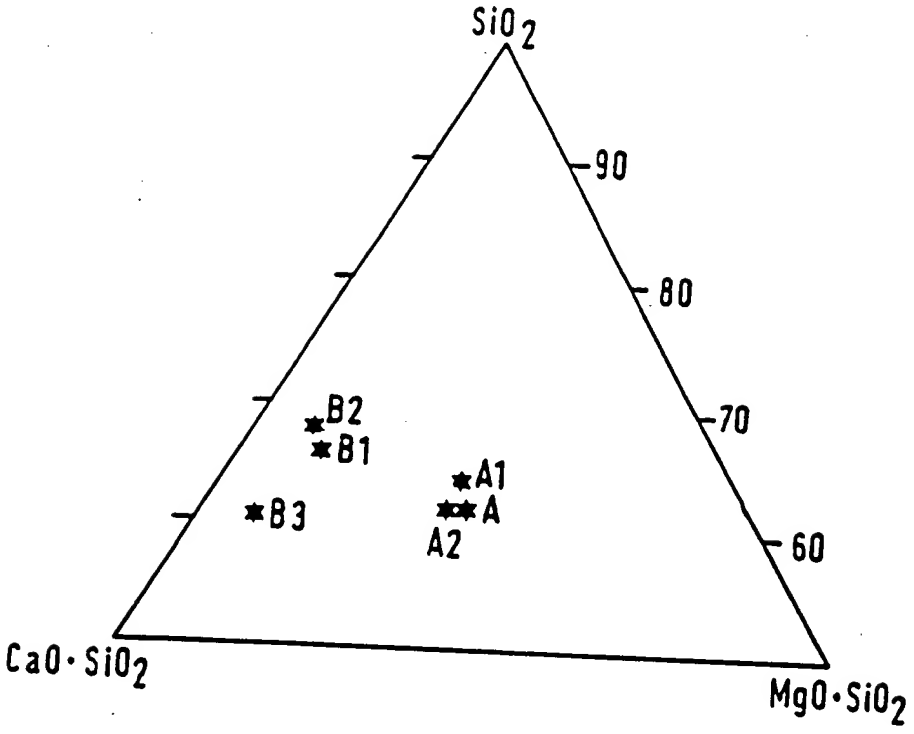


FIG.3

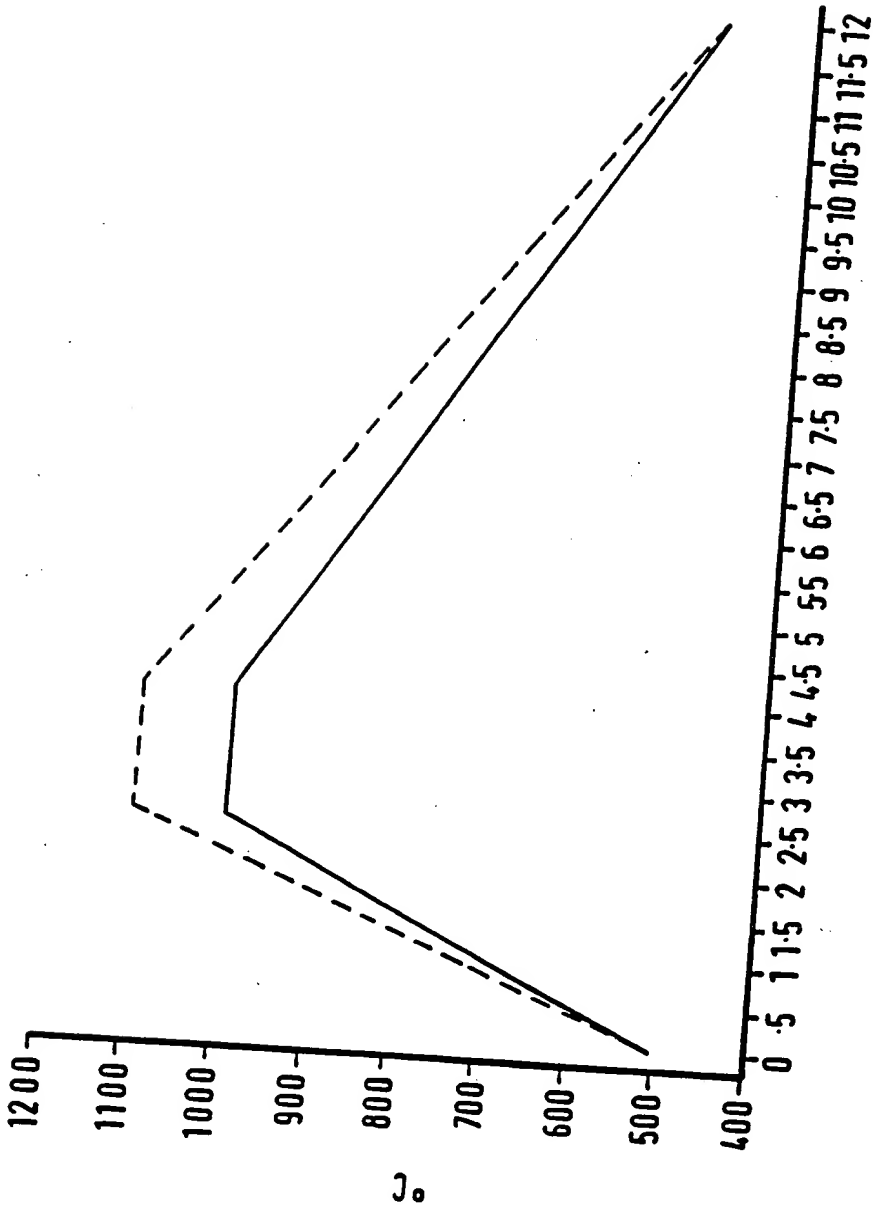


FIG. 4

GRAPH OF LOG (TOTAL SOLUB) V. FREE ENERGY OF HYDRATION

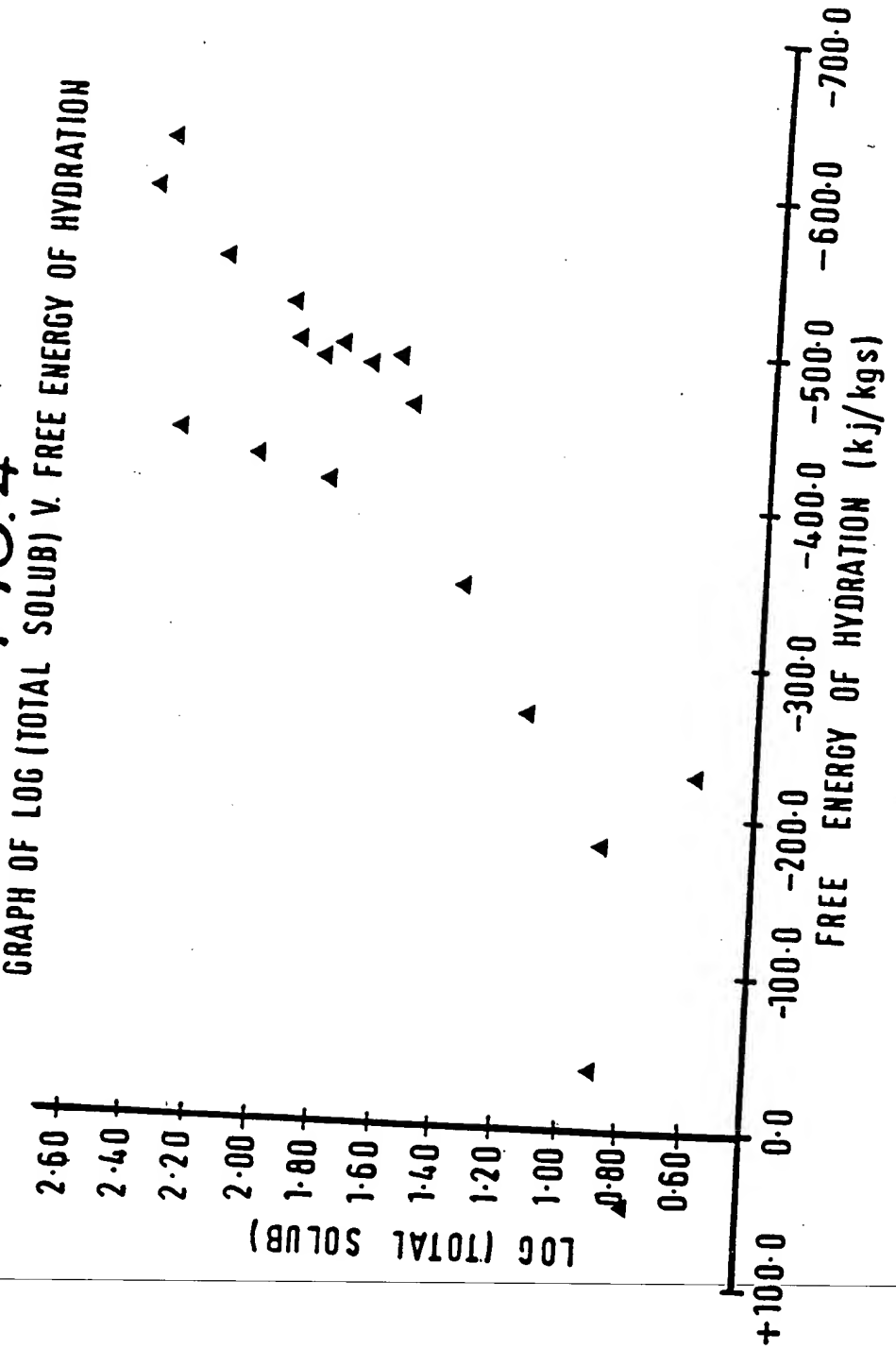


FIG.5

GRAPH OF LOG (TOTAL SOLUB) V. XN.B.O.

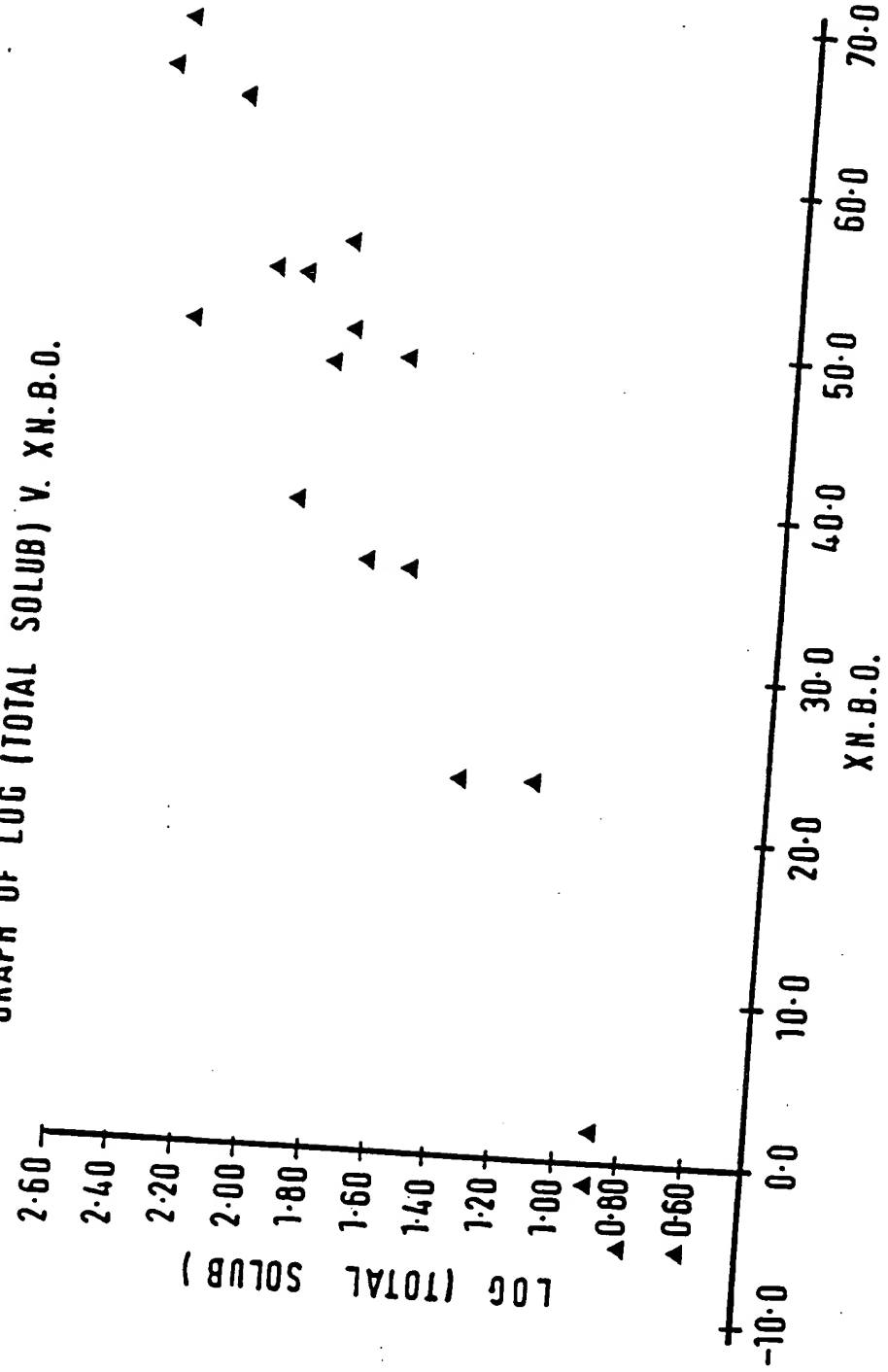


FIG. 2

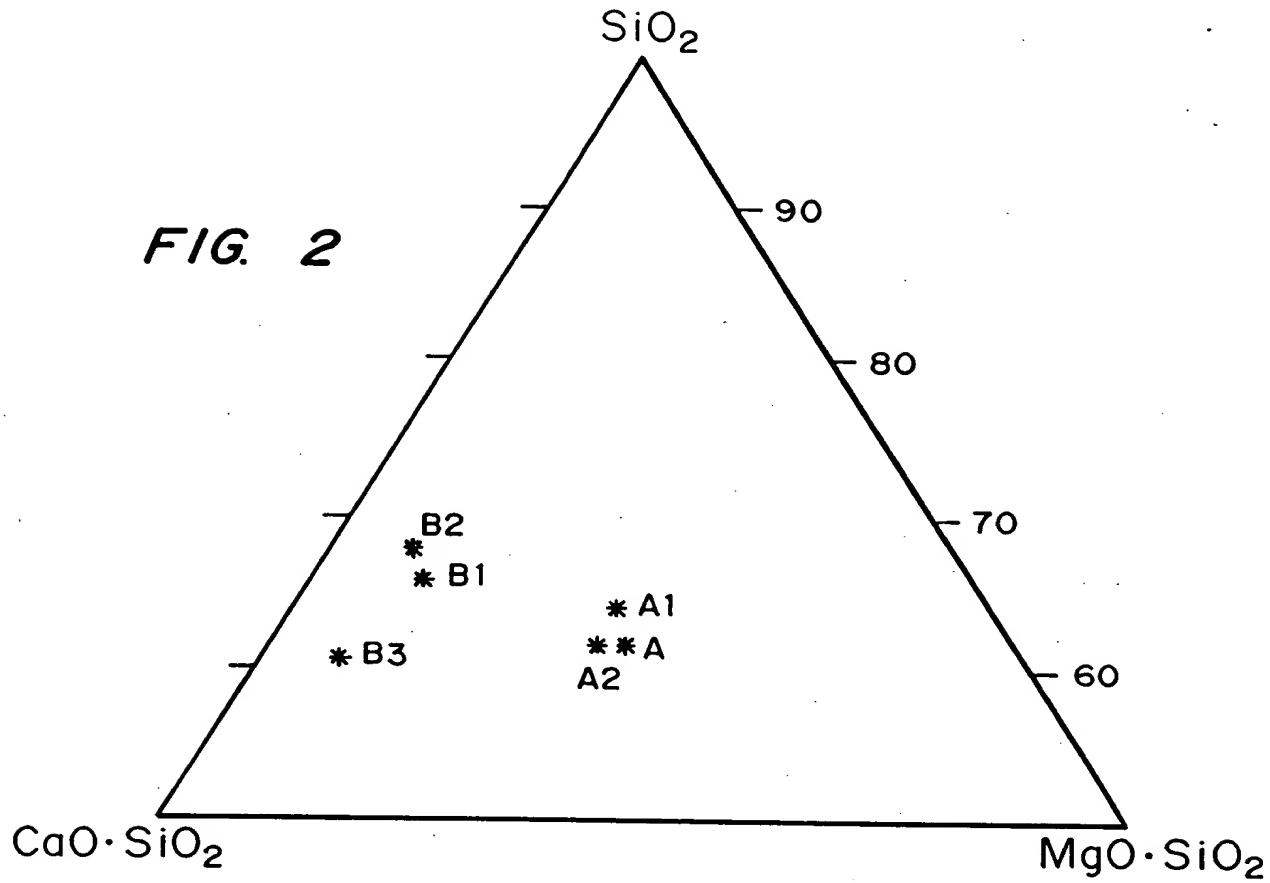
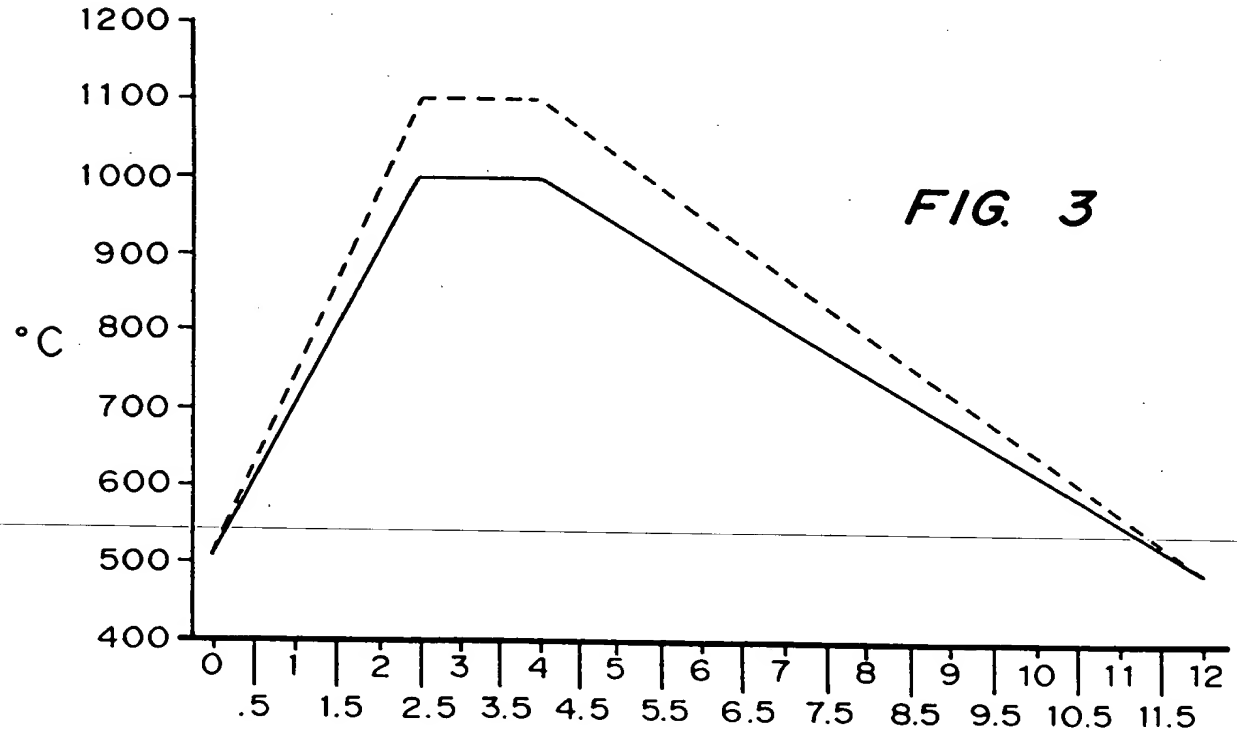

SiO2
90
80
70
60
B2
B1
A1
B3
A
A2
CaO·SiO2
MgO·SiO2

FIG. 3


1200
1100
1000
900
°C
800
700
600
500
400
0
1
2
3
4
5
6
7
8
9
10
11
12
.5
1.5
2.5
3.5
4.5
5.5
6.5
7.5
8.5
9.5
10.5
11.5

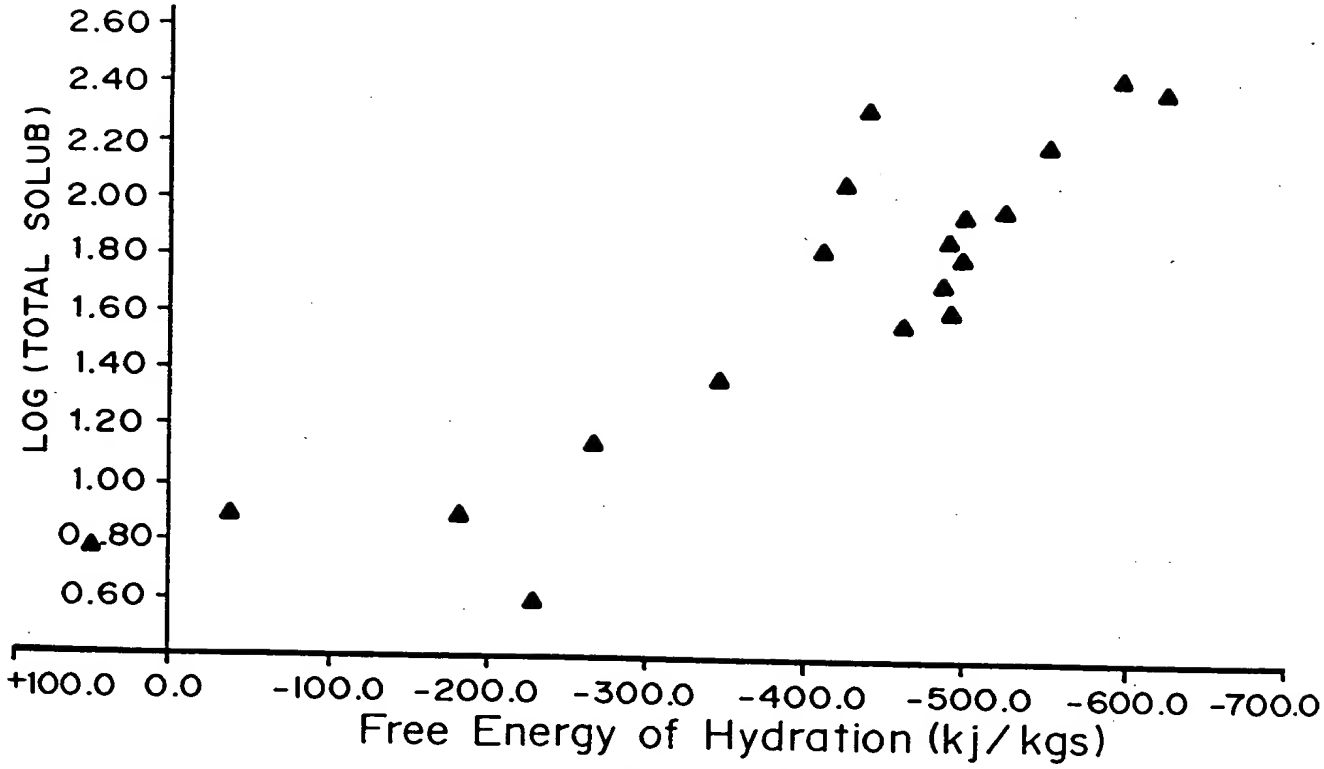

LOG (TOTAL SOLUB)
2.60
2.40
2.20
2.00
1.80
1.60
1.40
1.20
1.00
0.80
0.60
+100.0 0.0 -100.0 -200.0 -300.0 -400.0 -500.0 -600.0 -700.0
Free Energy of Hydration (kj/kgs)

FIG. 4

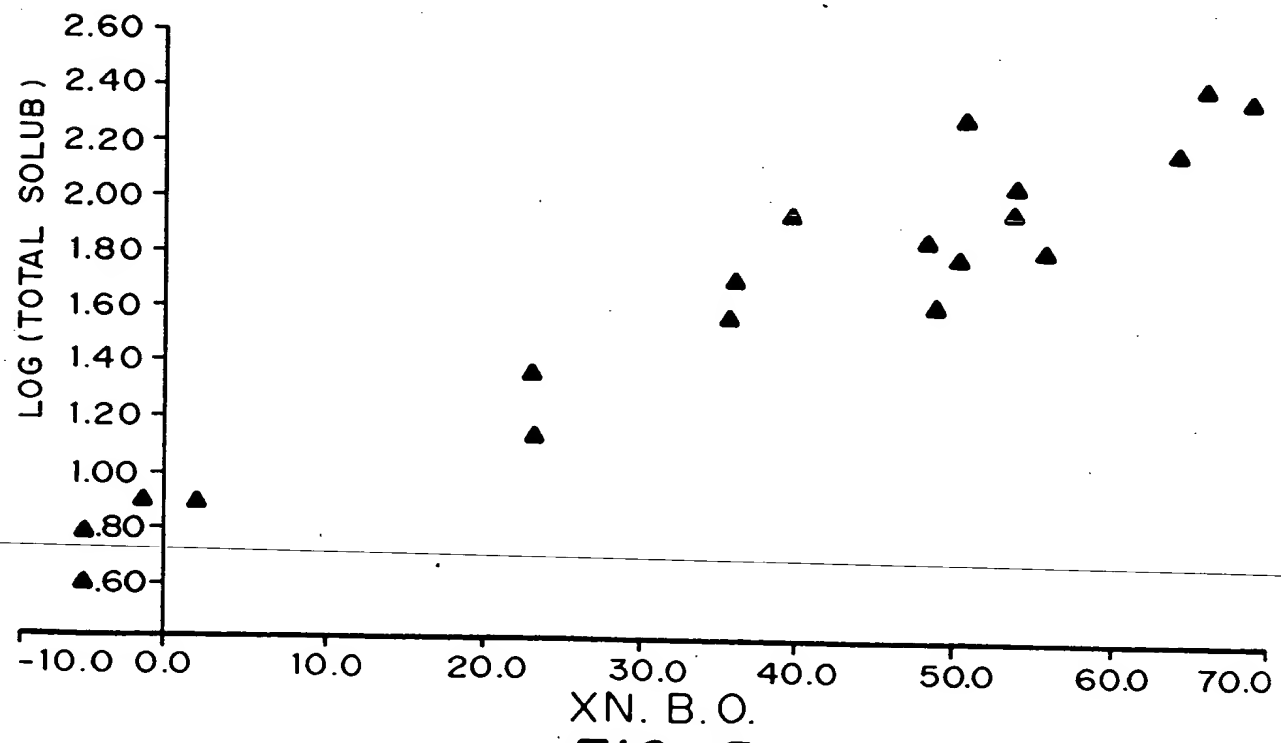

LOG (TOTAL SOLUB)
2.60
2.40
2.20
2.00
1.80
1.60
1.40
1.20
1.00
.80
.60
-10.0 0.0 10.0 20.0 30.0 40.0 50.0 60.0 70.0
XN. B. O.

FIG. 5

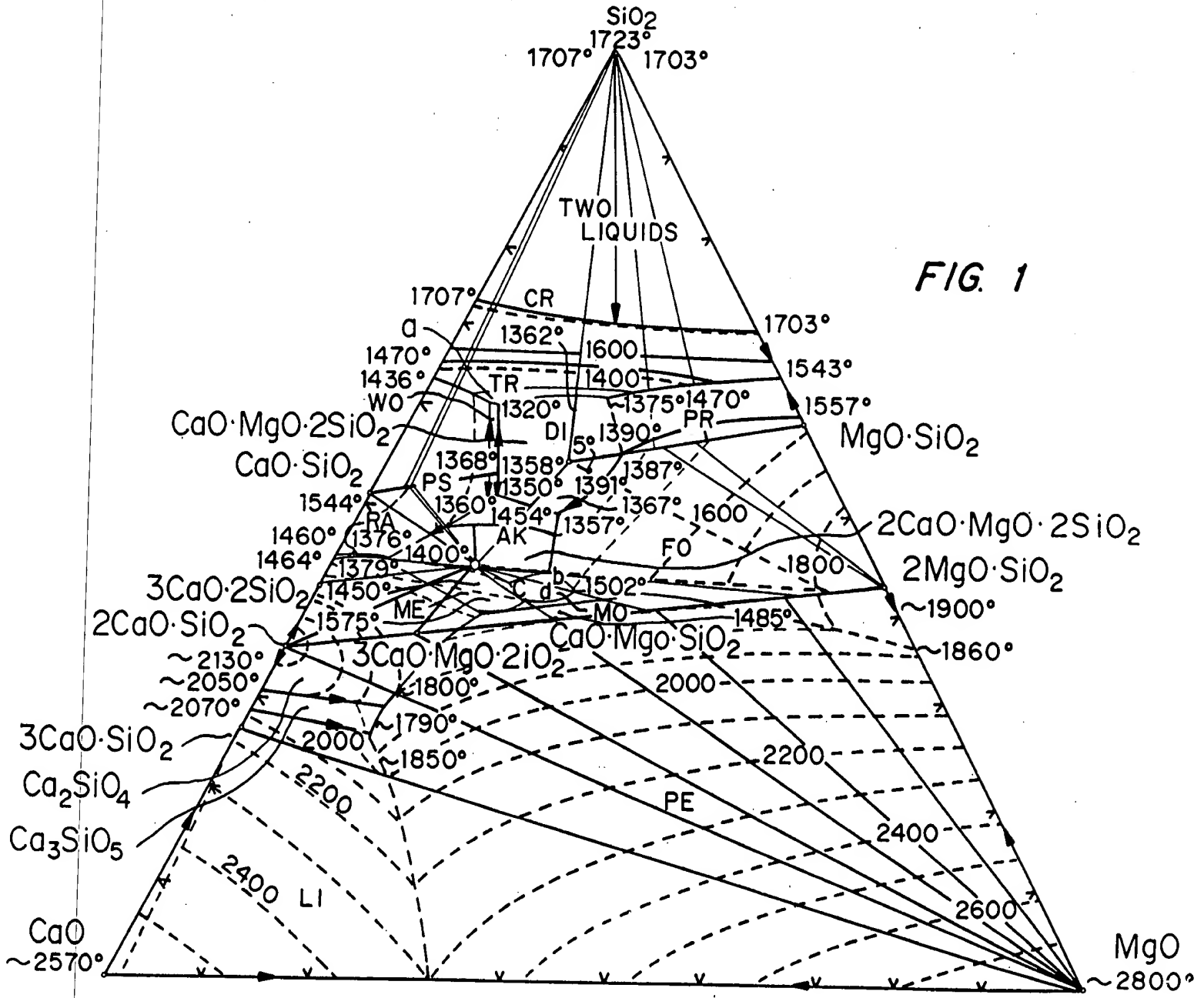


FIG. 1